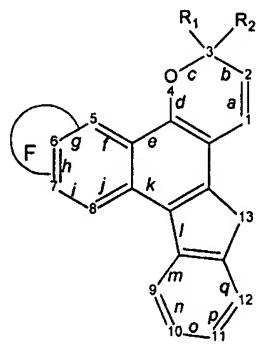


ABSTRACT OF THE DISCLOSURE

A photochromic naphthopyran displays good color distribution when the naphthopyran has a central nucleus of the formula:



wherein F is a 5-member, 6-member, or 7-member heterocyclic ring group having only one heteroatom, the heteroatom selected from the group consisting of oxygen, sulfur, and nitrogen, the 2,3 or 3,2 positions of the heterocyclic ring fused to the *g*, *h*, or *i* side;

R_1 and R_2 are the atoms or groups providing photochromic properties to the naphthopyran.

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